

INTRODUCTION:

In accordance with the foregoing, Claim 47 is objected to and claims 4-10 and 15-46 stand rejected.

Claims 4-10 and 15-47 are pending and under consideration.

REJECTION UNDER 35 U.S.C. § 103:

In the Office Action, at page 3, claims 4-5, 7-10, 15-24, 26-27, 30-32, 40-43, and 45 were rejected under 35 U.S.C. § 102 in view of EP 0 833 337 A2 to Aramaki et al. ("Aramaki") and in view of U.S. Patent No. 5,404,520 to Sonobe ("Sonobe"). This rejection is traversed and reconsideration is requested.

Aramaki fails to teach or suggest, "a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information," as recited in independent claim 4. Rather, Aramaki limits its description to designating a start point and an end point of the section to be deleted and linking the programs preceding and proceeding the erased portion. The cited reference fails to teach or suggest all the claimed features recited in independent claim 4.

Further, Aramaki generally describes that a recording time of programs is recorded using 6 bytes, where two bytes are taken for the manufacturers code and a model code showing the manufacturer of the recording apparatus used for recording the program. Furthermore, the Office Action correctly recognized that Aramaki fails to teach or suggest, "a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information," as recited in independent claim 4. Accordingly, the Office Action relies on Sonobe as providing for such recitations.

Sonobe generally describes a close process unit 18, which receives CLOSE instruction, writes a code representing a **data end (called end of file or EOF)** in file 12 and also writes the file name and storing address of file 12 in magnetic disc apparatus 11 in file name storing unit 14 as a form of file control block 21 so that other programs can read them. Emphasis added. See column 2, lines 7-28. Further, after a writing program 64 issues a CLOSE command for a READ command issued by reading program 65, the data end (EOF) is notified. See column 10, lines 33-38. However, it appears that the Office Action is construing the terms "EOF" and "address" to be the same, which is improper as understood by a person of ordinary skill in the pertinent art.

For instance, according to Newton's Telecom Dictionary, 2002, page 36, a copy of which is enclosed herewith, an "Address" is defined by comprising "characters identifying the recipient or originator of transmitted data...In computer terms, an address is a set of numbers that uniquely identifies the physical or logical location of something." Accordingly, "a last address of manufacturer information for the recording apparatus," as recited in independent claim 11 would be the last characters pertaining to, identifying, or showing the location of the manufacturer information for the recording apparatus. In contrast, an "EOF" as described in Sonobe is defined in Newton's Telecom Dictionary, 2002, page 271, as "an abbreviation for End of File. MS-DOS files and some programs often mark the end of their files with a Ctrl Z – or ASCII 26."

Thus, an "EOF" is a conventional mark indicative of an end of a file, such as a Null or a Stop. The "EOF" can be anywhere in a program and be and mean the same thing. In contrast, the address of independent claim 4 cannot be anywhere. Rather, it is the "last address" of the "manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information."

Accordingly, because neither Aramaki nor Sonobe, individually or combined, teach or suggest, "a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information," as recited in independent claim 4, it is respectfully requested that independent claim 4 and related dependent claims be allowed.

Furthermore, the Office Action refers to similar portions of the cited references to reject independent claims 7, 8, 10, and 31 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claim 4. The arguments presented above supporting the patentability of independent claim 4 in view of Aramaki and Sonobe are incorporated herein to support the patentability of independent claims 7, 8, 10, and 31.

Accordingly, Aramaki and Sonobe fail to teach or suggest all the claimed features of independent claims 4, 7, 8, 10, and 31. It is respectfully requested that independent claims 4, 7, 8, 10, and 31 and related dependent claims be allowed.

In the Office Action, at page 12, claims 6 and 25 were rejected under 35 U.S.C. § 103 in view of Aramaki, Sonobe, and in view of U.S. Patent No. 5,758,355 to Buchanan ("Buchanan"). This rejection is traversed and reconsideration is requested.

Because claims 6 and 25 depend from independent claims 4 and 7, respectively, the cited references, individually or combined, must teach or suggest all the claimed features

recited in independent claims 4 and 7. The arguments presented above supporting the patentability of independent claims 4 and 7 in view of Aramaki and Sonobe are incorporated herein.

According to Buchanan, company records, for example, may indicate not only which companies are associated with a particular team, but also may identify records in a contact table that specify the contact persons at the company. See column 2, lines 33-37. A Contact Table of Buchanan includes contact id., first name, last name, company id., row id., modify date, and modify employee. See column 8, lines 40-50.

However, similarly to Aramaki and Sonobe, Buchanan is silent as to teaching or suggesting, “a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information,” as recited in independent claim 4. Rather, the Contact Table appears to merely list employees of different companies modifying a company’s records and addresses for the contact, but nothing more. There is no teaching or suggestion in Buchanan that the Contact Table stores “a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information,” as recited in independent claim 4. The identification information includes employees modifying records that are related to a team for which an associated remote employee is included. See column 7, lines 47-52.

Furthermore, the Office Action refers to similar portions of the cited references to reject independent claim 7 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claim 4. The arguments presented above supporting the patentability of independent claim 4 in view of Aramaki, Sonobe, and Buchanan are incorporated herein to support the patentability of independent claim 7.

In view of the foregoing, it is respectfully requested that independent claims 4 and 7 and related dependent claims be allowed.

In the Office Action, at page 13, claims 28-29, 33-39, 44, and 46 were rejected under 35 U.S.C. § 103 in view of Aramaki, Sonobe, and in view of U.S. Patent No. 6,038,366 to Ohno et al. (“Ohno”). This rejection is traversed and reconsideration is requested.

Because claims 46 and claims 33-39 depend from independent claims 4 and 31, respectively, the cited references, individually or combined, must teach or suggest all the claimed features recited in independent claims 4 and 31. The arguments presented above supporting the patentability of independent claims 4 and 31 in view of Aramaki and Sonobe are

incorporated herein.

Independent claim 28 recites, “wherein the manufacturer information comprises a last address of the manufacturer information for the recording and/or reproducing apparatus to identify the last address of the manufacturer information.” The Office Action refers to similar portions of Aramaki and Sonobe to reject independent claim 28 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claim 4. The arguments presented above supporting the patentability of independent claim 4 in view of Aramaki and Sonobe are incorporated herein to support the patentability of independent claim 28.

Similarly to Aramaki and Sonobe, Ohno fails to teach or suggest the recitations comprising the manufacturer information. Specifically, Ohno describes in FIG. 5 and corresponding description an empty list pointer indicating an address where the data are to be stored in the library memory 4 upon recording of a new program and a pointer indicating an address of a program list, but does not teach or suggest fails to teach or suggest, “a **last address of the manufacturer information** for the recording and/or reproducing apparatus to identify the last address of the manufacturer information,” as recited in independent claims 4 and 28, and “a **last address of the manufacturer information** for the reproducing apparatus to identify the last address of the manufacturer information,” emphasis added, as recited in independent claim 31.

Column 6 of Ohno, lines 18-31, describes a control procedure where a preliminary play-back operation is carried out to read out tape map information recorded in a video signal. Specifically, the control procedure checks whether the VTR manufacture number data as fetched from the tape coincides with the VTR manufacture number stored in the library memory 4 shown in FIG. 1. Unless coincidence is found, this control processing is terminated. Thus, rather than teaching or suggesting that the apparatus records or modifies “**manufacturer information** to support a manufacturer’s specific function, wherein the manufacturer information comprises an identification information of the manufacturer of a recording apparatus **that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification**,” emphasis added, as recited in independent claim 4, in Ohno, unless coincidence is found, a control processing is **terminated** by regarding the tape as loaded is not the one of concern. Emphasis added.

The Office Action refers to similar portions of Ohno to reject independent claims 28 and 31 as the portions of the cited references previously discussed and distinguished from the claimed features of independent claim 4. The arguments presented above supporting the

patentability of independent claim 4 in view of Ohno are incorporated herein to support the patentability of independent claims 28 and 31.

Accordingly, Aramaki, Sonobe, and Ohno, individually or combined, fail to teach or suggest all the claimed features of independent claims 4, 28, and 31 and related dependent claims. It is respectfully asserted that independent claims 4, 28, and 31 and related dependent claims are allowable in view of the prior art of record.

Such combination fails to teach or suggest all the claimed features of independent claims 4, 28, and 31. It is respectfully requested that independent claims 4, 28, and 31 and related dependent claims be allowed.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot, and further, that all pending claims patentably distinguish over the prior art. There being no further outstanding objections or rejections, the application is submitted as being in condition for allowance, which action is earnestly solicited.


If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner's contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any underpayments or overpayments of fees associated with the filing of this Amendment, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Add-On Conference — Intercom Only / Addressability

or internal call on Hold, and obtains system dial tone. The user can then call another internal extension or an outside party. After speaking with the "consulted" party, the originating phone reactivates the initiating command (typically a button push) and creates a three-party conference with the call previously placed on Hold.

Add-on Conference — Intercom Only Allows a telephone user to add someone else to an existing intercom (within-the-same office) conversation.

Add-on Data Module Plug-in circuit cards which allow a PBX to send and receive analog (voice) and digital (data) signals.

Added Bit A bit delivered to the intended destination user in addition to intended user information bits and delivered overhead bits. An added bit might be used to round out the number of bits to some error checking scheme, for example.

Added Block Any block, or other delimited bit group, delivered to the intended destination user in addition to intended user information bits and delivered overhead bits. See also Extra Block.

Additional Call Offering See ACO.

Additional Cooperative Acceptance Testing See ACAT.

Additional Period Billing periods charged after initial, first or minimum period on a call. Usually, long distance toll/DDO has a one-minute initial period at premium rate; subsequent "additional" minutes (period) are billed at a lower rate. Additional period billing increments vary by long distance company.

Additive Primaries By definition, three primary colors result when light is viewed directly as opposed to being reflected: red, green and blue (RGB). According to the tri-stimulus theory of color perception, all other colors can be adequately approximated by blending some mixture of these three lights together. This theory is harnessed in color television and video communications. It doesn't work so well in color printing where special colors are often printed separately.

Additive White Gaussian Noise AWGN. See White Noise.

ADDMD Administrative Directory Management Domain. A X.500 directory management domain run by a PTT (Posts, Telegraph, and Telephone administration) or other public network provider.

Address An address comprises the characters identifying the recipient or originator of transmitted data. An address is the destination of a message sent through a communications system. A street address (i.e. 123 Elm Street, Normal, OK) is your physical address. A telephone number is considered the address of the called person. In computer terms, an address is a set of numbers that uniquely identifies the physical or logical location of something — a workstation on a LAN, a location in computer memory, a packet of data traveling through a network. On the Internet, addresses are based on the IP protocol, which uses a 32-bit code in the IP header to identify host addresses. Web URLs and e-mail addresses are arbitrary text addresses that correlate to IP addresses. They are maintained in directory service databases. For a longer explanation, see Internet Address.

Address Complete Message ACM. A CCS/SS7 signaling message that contains call-status information. This message is sent prior to the called customer going off-hook.

Address Field In data transmission, the sequence of bits immediately following the opening flag of a frame identifying the secondary station sending, or designated to receive, the frame.

Address Field Extension EA. A Frame Relay term defining a 2-bit field in the Address Field, identifying the fact that the address structure is extended beyond the 2-octet default. Frame Relay standards provide for extension of the address field up to 60 bits, which extension will be implemented as the popularity of Frame Relay grows, placing pressure on the standard addressing convention.

Address Filtering A way of deciding which data packets are allowed through a device. The decision is based on the source and destination MAC (Media Access Control, the lower part of ISO layer two) addresses of the data packet.

Address Mapping Technique that allows different protocols to interoperate by translating addresses from one format to another. For example, when routing IP over X.25, the IP addresses must be mapped to the X.25 addresses so that the IP packets can be transmitted by the X.25 network. See also address resolution.

Address Mask An electronic messaging term. A bit mask used to select bits from a network address (e.g. Internet) for sub-net addressing. The mask is 32 bits long and selects the network portion of the address and one or more bits of the local portion. Sometimes called sub-net mask.

Address Message A message sent in the forward direction that contains address

information, the signaling information required to route and connect a call to the called line, service-class information, information relating to user and network facilities and call-originator identity or call-receiver identity.

Address Message Sequencing In common-channel signaling, address message sequencing is a procedure for ensuring that address messages are processed in the correct order when the order in which they are received is incorrect.

Address Munging Modifying one's e-mail address in such a way that computers can't read it but humans can.

Address Prefix An ATM term. A string of 0 or more bits up to a maximum of 152 bits that is the lead portion of one or more ATM addresses.

Address Records See A Records.

Address Resolution The process of discovering a device's address. 1. An inter-networking term. A discovery process used when, as in LAN protocols such as TCP/IP and IBM NetBIOS, only the Network Layer address is known and the MAC address is needed to enable delivery to the correct device. The originating end station sends broadcast packets with the device's NLA to all nodes on the LAN; the end station with the specified NLA address responds with a unicast packet, addressed to the originating end station, and containing the MAC address. See Address Resolution Protocol.

2. An ATM term. Address Resolution is the procedure by which a client associates a LAN destination with the ATM address of another client or the bus.

Address Resolution Protocol ARP. The Internet protocol used to map dynamic Internet addresses to physical (hardware) addresses on local area networks. Limited to networks that support hardware broadcasts.

Address Screening A service provided by Switched Multi-megabit Data Service (SMDS). Address Screening allows the network to compare the Source Address of the transmitting party to a list of addresses for including (or excluding) end-points into (or out of) a virtual network.

Address Separator A character that separates the different addresses in a selection signal.

Address Signaling Signals either the end user's telephone or the central office switching equipment that a call is coming in.

Address Signals Address signals provide information concerning the desired destination of the call. This is usually the dialed digits of the called telephone number or access codes. Typical types of address signals are DP (Dial Pulse), DTMF, and MF.

Address Space The amount of memory a PC can use directly is called its address space. MS-DOS can directly access 1024K of memory (one megabyte). A protected mode control program like Microsoft Windows 3.x or OS/2 can directly address up to 16 megabytes of memory. Here is a definition of address space, as supplied by the Personal Computer Memory Card International Association (PCMCIA) as address space applies to PCMCIA cards: "An address space is a collection of registers and storage locations contained on a PC Card which are distinguished from each other by the value of the Address Lines applied to the Card. There are three, separate, address spaces possible for a card. These are the Common Memory space, the Attribute Memory space and the I/O space."

Address Table A table stored in routers, bridges and switches that enables these devices to know where on the network to forward information.

Addressable The characteristic of a network device enabling it to send and receive messages independently due to its unique identification code.

Addressable Programming A cable TV (CATV) industry term. A subscriber orders a movie or sports event. He does that calling a phone number (generally an 800 number). A computer answers, grabs the calling number, confirms the request, then hangs up. The computer passes the request onto the cable company's computer, which checks the calling phone number against its accounting records. If the subscriber has good credit, the cable company sends a coded message down its cable network to the caller's set-top cable box/converter. The message temporarily enables that particular converter to descramble the channel offering the desired program.

Addressability 1. In computer graphics, the number of addressable points on a display surface or in storage.

2. In micrographics, the number of addressable points, within a specified film frame, written as follows: the number of addressable horizontal points by the number of addressable vertical points, for example, 3000 by 4000.

3. A cable TV term. The capability of controlling the operation of cable subscriber set-top converters by sending commands from a central computer. Such addressability is absolutely required for a cable system to offer pay-per-view services.

Addressable Point In addressed. See Addressability.

Addressee The intended recipient of a message.

Addressing Refers to the act of piece of information or software has an address.

ADF Automatic Document Fee

ADH 1. Average Delay to Handoff before being connected to 2. Automatic Data Handling.

Adherence A term used in the center are doing who break? Are they answering the need by workforce management. If not, they're "out of adherence."

Adherence Monitor coming out of an ACD with forecast employment levels. The working as forecast. This a measure how well it works since it's y adherence.

Adjacency Relationship for the purpose of exchanging common media segment.

Adjacent Cell A cellular Mobile End System (MES) to the other.

Adjacent Channel placed too close together in mess up each other's conversion.

Adjacent Colocation Colocation.

Adjacent MD-IS A cell (IS) are adjacent if each MD

Adjacent MTA An MT. MTA. A Message Transfer / Telegraph, and Telephone adjacent nodes.

Adjacent Nodes 1. In evening nodes.

2. In DCEnet and OSI, node or Token Ring networks).

Adjacent Signaling interconnected by signaling

Adjunct 1. Network system that contains SLEE (Service licenses with an Advanced IAIN Release 1 calls. See also 2. An auxiliary device connected or an analog interface.

Adjunct Key System system provides the users v man term today.

Adjunct Processor "talks" to the switch and g a database of customers a customer lives in Indiana, agents handling Indiana cugy management, building : 2. An AIN (Advanced Intelligence Network). An Adjunct Processor (Service Switching Points) multiple SSPs are supported Processors can include rout

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Equalization The process of reducing distortion over transmission paths by putting in compensating devices. The telephone network is equalized by the spacing and oper-